

Converting Colors

CIELCh(75, 43.296, 245.380)

Have a look what the booklet for
CIELCh(75, 43.296, 245.380)
contains.

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Color

CIELCh(75, 42.890, 244.177)

Conversions

Conversions Part 1

Format	Color
Hex	35C6FF
RGB	53, 198, 255
RGB Percent	21%, 78%, 100%
CMY	0.7932, 0.2241, 0.0006
CMYK	0.79, 0.22, 0.00, 0.00
HSL	197°, 100%, 60%
HSV	197°, 79%, 100%
XYZ	39.6374, 48.2781, 101.7033
YIQ	161.1430, -104.7170, -13.0130

Conversions

Conversions Part 2

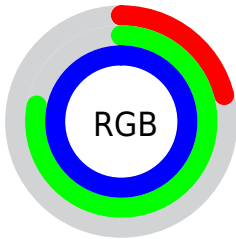
Format	Color
R_{YB}	53, 137, 255
Decimal	3524351
CIE _{Lab}	75.00, -18.68, -38.61
CIE _{LCh}	75, 42.890, 244.177
Yxy	48.2781, 0.2090, 0.2546
Android (android.graphics.Color)	4281714431 (0xFF35C6FF)
YUV	161.1430, 46.2715, -94.8414
Hunter-Lab	69.4824, -19.7660, -38.1467

Details

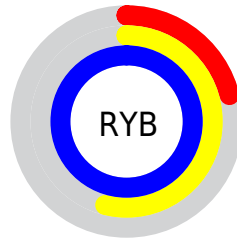
The CIELCh color **75, 42.890, 244.177** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **64, 77.411, 47.431**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **56, 38.956, 251.115** is the 20% darker color. If you saturate the color by 10%, you get **73, 45.537, 248.500**, and if you desaturate by 10%, it is **78, 39.672, 240.565**.

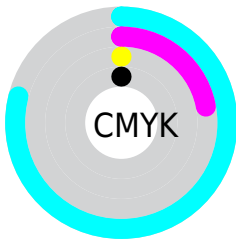
Distribution



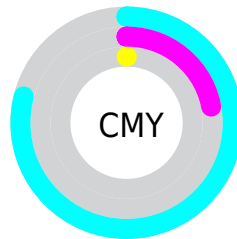
- Red (21%)
- Green (78%)
- Blue (100%)



- Red (21%)
- Yellow (54%)
- Blue (100%)



- Cyan (79%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.890, 244.177 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 75, 42.890, 244.177 by changing the saturation by 10% instead.


 75, 42.890,
244.177


 75, 42.890,
244.177


 100, 42.890,
244.177


 65, 42.890,
244.177


 95, 42.890,
244.177

 55, 42.890,
244.177

 45, 42.890,
244.177

 35, 42.890,
244.177

 25, 42.890,
244.177

 15, 42.890,
244.177

 5, 42.890, 244.177

■ 0, 42.890, 244.177

■ 75, 42.890,
244.177

■ 75, 42.890,
244.177

■ 73, 45.537,
248.500

■ 78, 39.672,
240.565

■ 70, 47.857,
253.418

■ 80, 35.771,
237.628

■ 70, 48.022,
253.760

■ 83, 31.155,
235.284

■ 86, 25.858,
233.435

■ 90, 19.953,
231.993

■ 93, 13.530,
230.880

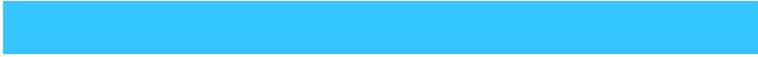
■ 97, 6.682, 230.052

100, 0.068,
109.043

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75, 42.890, 244.177



64, 77.411, 47.431

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 42.890, 244.177



75, 42.890, 294.177



75, 42.890, 64.177



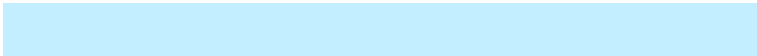
75, 42.890, 114.177

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75, 42.889, 244.177



92, 16.612, 231.365



89, 95.143, 143.619



48, 11.292, 231.777



0, 0.000, 0.000



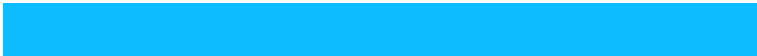
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 42.889, 244.177



71, 46.892, 251.261



48, 90.025, 295.579



51, 4.082, 230.066



54, 38.422, 252.812



17, 16.928, 245.972

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60, 89.199, 340.612



57, 93.050, 343.058



85, 76.661, 88.039



50, 7.435, 334.180



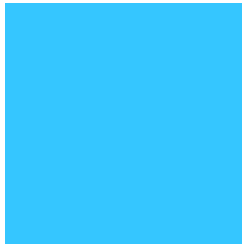
43, 75.191, 343.625



11, 35.402, 341.271

Previews

White Background



This preview shows how the CIE LCh color 75, 42.890, 244.177 looks on a white background.

Color Contrast Check

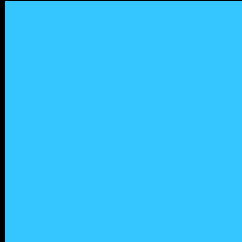
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 42.890, 244.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

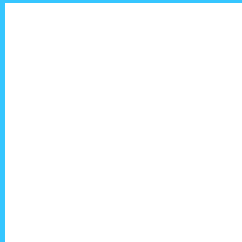
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 42.890, 244.177

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.890, 244.177.

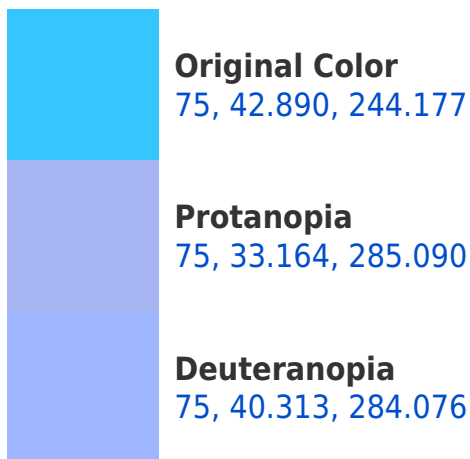


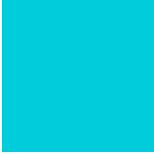
This preview shows how white text looks on a background with the CIELCh color 75, 42.890, 244.177.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
75, 40.870, 209.022

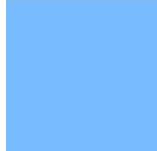
Trichromacy



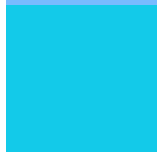
Original Color
75, 42.890, 244.177



Protanomaly
74, 36.053, 263.946



Deuteranomaly
74, 40.122, 266.349

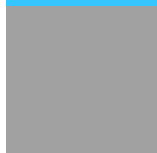


Tritanomaly
75, 40.388, 221.793

Monochromacy



Original Color
75, 42.890, 244.177



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 20.008, 233.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.890, 244.177 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(53, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(53, 198, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(53, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 198, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.890, 244.177 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(53, 198, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(53, 198, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(53, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(53, 198,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.890, 244.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 198, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(53, 198,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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